

Effective Data Analysis Using Software (such as Minitab®)

(Two day Workshop)

About the Course

Usage of Software package plays an important role in data analysis, making data analysis part easy, less time consuming and accurate. MINITAB is one of the better known software that could be generally used to perform data analysis.

Huge popularity of MINITAB practices is due to its following characteristics

- ✓ It is Windows-based tool
- ✓ Easy to use
- ✓ Easy to import data from excel
- ✓ Accurate output
- ✓ Well explained Help Section

Workshop objectives

This workshop provides an insight into the entire array of data analysis using MINITAB, which includes:

- ❖ Overview to MINITAB
- ❖ MINITAB – its statistical association
- ❖ Setting up MINITAB
- ❖ Overview to MINITAB functionalities
- ❖ Developing data set for MINITAB analysis
- ❖ Industrial best practices
- ❖ Detailed Use of MINITAB

After attending this workshop, the participants can comfortably do effective data analysis using MINITAB and its extended benefits are;

- ✓ Collaborating with management to support in data analysis
- ✓ Developing data analysis process simpler

Workshop Contents

The two day workshop would cover the topics as noted below. There would be exercises at appropriate junction points to elaborate and understand the course concepts.

- ✓ Introduction to Quality Concept
- ✓ Basic Industrial Statistics and Problem solving tools
- ✓ Introduction to Data Analysis
 - Evolution and terminologies

- Impact on business performance
- Statistical computation*
- ✓ Setting context (for practicing MINITAB)
- ✓ Organization data set for usage
- ✓ Data analysis techniques and interpretation
- ✓ Typical MINITAB Applications
 - Inventory of application areas in IT and non-IT industries
- ✓ Best practices on MINITAB
 - Best practices
 - Lean Six Sigma
 - Others
 - Things to avoid
 - Sustaining momentum of usage of MINITAB
- ✓ Practical guidance to MINITAB

Note:

* The workshop focuses on such “statistical areas” as necessary to understand and practice Six Sigma methodology. The participants do not need to have prior statistical proficiency Study would cover salient features discussed throughout the workshop

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Who should attend

The workshop will be highly beneficial to attendees with some experience in (or association with) project execution. In particular, the following audience would appreciate the workshop

- Product group member or Business analysts
- Developers and other project team members
- Team or Module Leaders
- Project managers
- Delivery managers
- Quality or Testing group members
- Members of customer service and other support service like
 - Network management
 - HR and resource management
 - Training
 - Finance and accounts
 - Sales and marketing
 - Business development
- Future Six Sigma Experts